

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: FAIL-SAFE

Report Number: P365623

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8027-F6LBXVM1-MW-BTR89BI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365623
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-13)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX50D010TE-FEU6B35-8027-F6LBXVM1-MW-BTR89BI
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM ACRYLIC, CLEAR RFI 0.125", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2834.9 lumens
Efficiency: N/A
Efficacy: 51.5 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.84
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

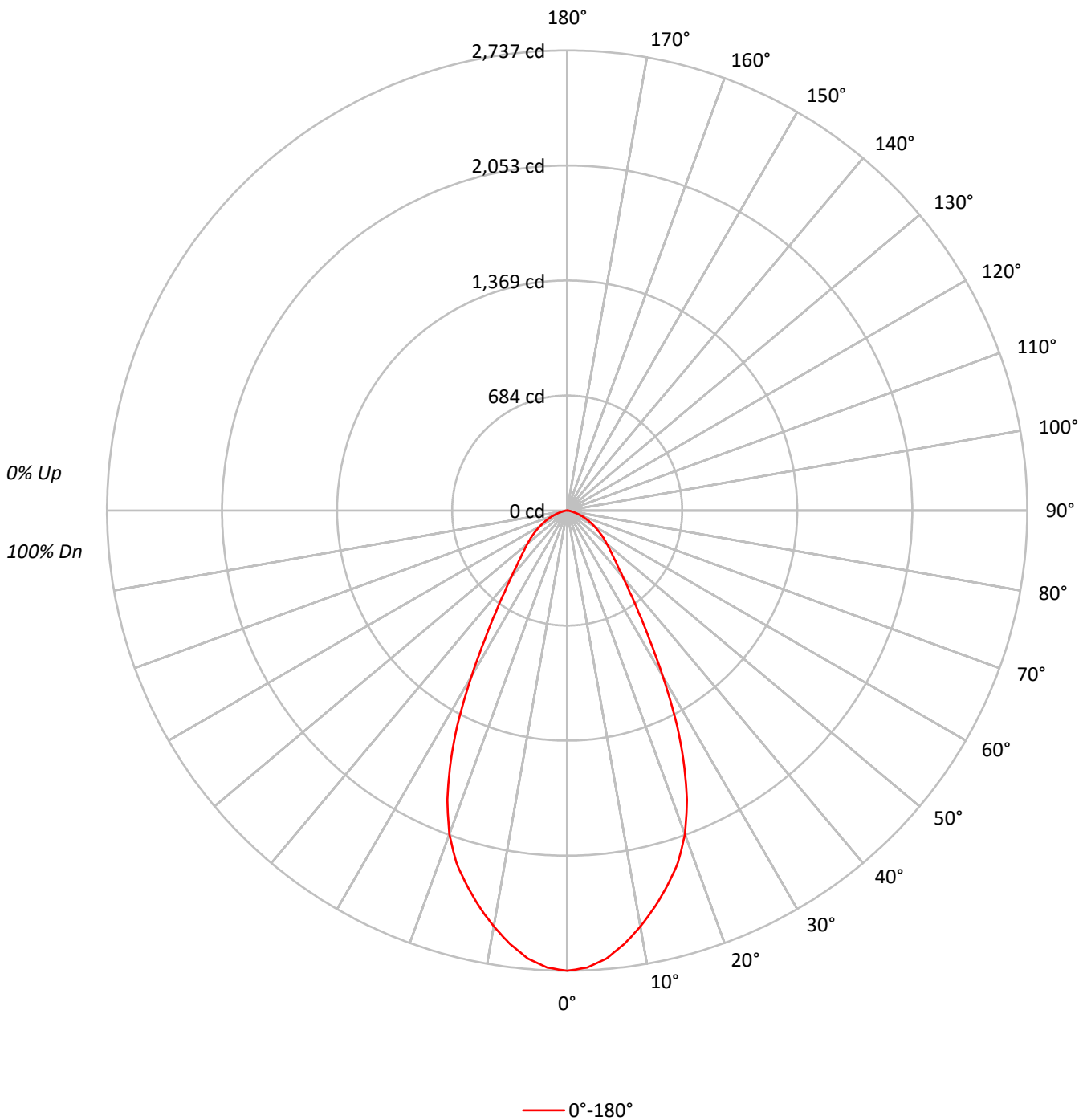
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	90
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81
3	98	91	85	80	96	89	84	79	86	82	78	84	80	77	82	78	75	74
4	92	83	77	72	90	82	76	71	80	75	70	78	73	70	76	72	69	67
5	87	77	70	65	85	76	70	65	74	68	64	72	67	64	71	66	63	61
6	82	72	65	60	80	71	64	59	69	63	59	68	62	58	66	62	58	56
7	77	67	60	55	76	66	59	55	65	59	54	63	58	54	62	57	54	52
8	73	62	56	51	72	62	55	51	61	55	50	59	54	50	58	54	50	48
9	69	59	52	47	68	58	52	47	57	51	47	56	51	47	55	50	47	45
10	66	55	49	44	65	55	48	44	54	48	44	53	48	44	52	47	44	42

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	195989
5°	192267
10°	182595
15°	171005
20°	156082
25°	129385
30°	93882
35°	64928
40°	48015
45°	39269
50°	34443
55°	30634
60°	26707
65°	22737
70°	18151
75°	13113
80°	9443
85°	10762



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	250.0	8.8
10°-20°	645.0	22.8
20°-30°	737.8	26.0
30°-40°	478.4	16.9
40°-50°	305.0	10.8
50°-60°	219.7	7.7
60°-70°	133.5	4.7
70°-80°	53.2	1.9
80°-90°	12.5	0.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1632.8	57.6
0°-40°	2111.1	74.5
0°-60°	2635.8	93.0
0°-90°	2834.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2834.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2737	
5°	2675	250
15°	2307	645
25°	1638	738
35°	743	478
45°	388	305
55°	245	220
65°	134	134
75°	47	53
85°	13	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2737.2
2.5°	2720.8
5°	2675.0
7.5°	2599.8
10°	2511.4
12.5°	2413.3
15°	2306.9
17.5°	2194.0
20°	2048.4
22.5°	1861.9
25°	1637.7
27.5°	1392.3
30°	1135.5
32.5°	914.6
35°	742.8
37.5°	611.9
40°	513.7
42.5°	441.7
45°	387.8
47.5°	345.2
50°	309.2
52.5°	276.5
55°	245.4
57.5°	214.3
60°	186.5
62.5°	160.3
65°	134.2
67.5°	109.6
70°	86.7
72.5°	67.1
75°	47.4
77.5°	32.7
80°	22.9
82.5°	14.7
85°	13.1
87.5°	6.5
90°	0.0

(END OF REPORT)